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LIPKA, K L

The Dnepropetrovsk region, by P.F. Kalinina, K.L.Lipka, and L.Ye. Masliy. Washington, D.C., Dept. of the Army, Office of the Assistant Chief of Staff for Intelligence, 1959.

72p. (Intelligence Translation no. H-8469)

Translated from the original Russian: Dnepropetrovshchina; priroda i ekonomika, Dnepropetrovsk, 1959.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

KALININA, Polina Fedorovna; LIPKA, Kondratiy Leont'yevich; MASLIY, L.Ye.

[Dnepropetrovsk Province; its natural resources and economy] Dnepropetrovshchina; priroda i ekonomika. Dnepropetrovsk, Dnepropetrovskoe obl.izd-vo, 1959. 275 p. (MIRA 13:8)
(Dnepropetrovsk Province--Economic conditions)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, L.

"Automotive Cranes or Winches?" p. 110, (POLANA, Vol. 9, no. 5, May 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 2, No. 11, Nov. 1953, Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

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LIPKA, L.

"Mechanized transportation of logs in the USSR." p. 184; mvh "Successful work of the Bulgarian foresters"p. 191 (Polana. Vol. 9 , no. 7/8, July/Aug. 1953. Praha)

SO:Monthly List of East European Vol. 3, No.2, Library of Congress, Feb. 1954, Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, L.

"Economy in Mechanized Lumber Production." p. 236 (POLANA, Vol. 9, No. 10, Oct. 1953) Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

VASKO, A.; LIPKA, L.

Universal heated cell for spectral measurement. Jemna mech opt 6 no. 6: 161-162. Jr '61

1. Laborator optiky, Ceskoslovenska akademie ved, Praha.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

D Fuel

Journal of the Institute of Petroleum
Vol. 40 No. 361
Jan. 1954
Transport and Storage

28. The struggle against natural (storage) losses of petroleum products as a source of economy. P. Lipka. Nafta (Krakow), 1952, 8, 280-3.--U.S.S.R. limits for storage losses are given as guidance. It is wrong to accept excessive losses as a physical phenomenon. Their causes once discovered can be overcome. To combat evaporation losses tanks must be airtight and filled as high as permissible with the smallest surface area. Aluminum paint on tanks causes the losses to be 25% less than in those painted black. M.S.

5-11-54 gjf

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P.

"What One Should Know about Etylina." p. 307, (MOTORYZACJA, Vol. 8, No. 11, Nov. 1953. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

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LIPKA, P.

"New Way of Supplying Liquid Fuels and Grease." p. 50, (MOTORYZACJA, Vol. 9, No. 2, Feb. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P.

"Transportation and Distribution of Petroleum Products." p. 121 (NAFTA, Vol. 9, No. 5, May 1953) Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 10, October 1953. Unclassified.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P.

"Control of Fuel and Oil Consumption." p. 172, (MOTORYZACJA, Vol. 9, No. 6, June 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPIN, F.

"Is the Network of Service Stations Sufficient in Poland?" p. 208, (MOTORYZACJA, Vol. 9, No. 7, July 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P.

Construction of modern refineries is an economic necessity. P. 190
NAFTA. (Instytut Naftowy) Krakow.
Vol. 10 no. 8, Aug. 1954

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P.

Principles changes in supplying liquid fuel in 1955. p. 281.
MOTORYZACJA, Warszawa. Vol. 10, no. 9, Sept. 1955.

SOURCE: East European Acession (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

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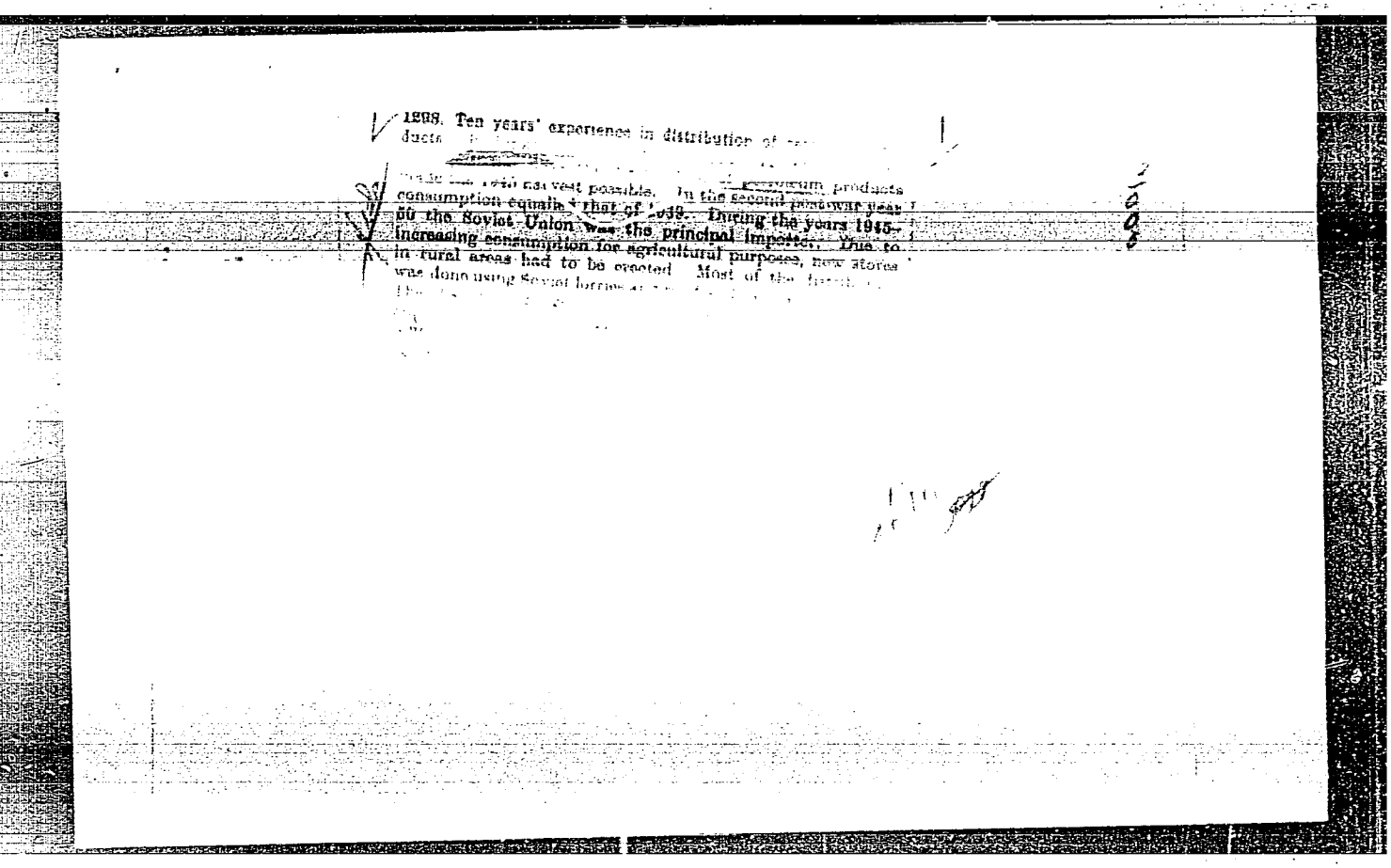

1948. Ten years' experience in distribution of ... ducts ...

... 1940 as vest possible. ... petroleum products consumption equals that of 1938. During the years 1945- ... on the Soviet Union was the principal importer. Due to ... increasing consumption for agricultural purposes, new stores ... in rural areas had to be created. Most of the ... was done using Soviet forms ...

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P.

Rationalizing the consumption of petroleum products. p. 189

Vol. 11, no. 8, Aug. 1956
NAFTA
Krakow

SOURCE: Monthly List of East European (EEAL), LC, Vol. 5, no. 2, Feb. 1956

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P

1098. Economic aspect of packing in distribution of petroleum products. P. Lipka. *Nafta (Krakow)*, 1950, **12**, 47–9.— Permanent packages should not be returned unnecessarily by the consumers, and should be returned in good condition for re-use. Package should be appropriate to the contents and used preferably for the same product throughout its life. The Central Office for Petroleum published a decree covering that aspect dividing packings into (1) permanent, which are always the property of the producer and loaned to the consumer, *e.g.* steel drums and high-pressure steel bottles; (2) semi-permanent, which can be sold, *e.g.* kegs, tins and boxes whether of cardboard or metal. Salvaged packing should be returned to the [illegible] respective central collecting agency. M.S.—

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P.

1231. Economic aspect of packing in distribution of petroleum products. P. Lipka. *Nafta (Krakow)*, 1956, 12, 69–72.— In Pt 2 the author deals with containers "on loan" to the consumer. These are steel drums suitable for liq, wooden barrels suitable for greases, steel bottles for liquefied gases, and sacking for paraffin wax. The use of steel drums for asphalt is possible, and careful treatment will enable such drums to be used more than once. General rules for keeping such containers in good condition are given in the article.

M. S.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIFKA, F.

LIFKA, P. Technical progress in the distrioution of petroleum products. p. 159.
Vol. 12, no.6, June 1956. NAFTA. Krakow, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, P.

"Collection of used oils is a source of saving foreign exchange."

p. 334 (Motoryzacja) Vol. 12, no. 12, Dec. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

2

201. Storage of petroleum products. P. Lipka. *Nafta* (*Krakow*), 1957, 13, 24–6.—Shortage of storage space in Poland is becoming more severe as times goes on, since whilst the needs of the industry and agriculture are increasing, the funds assigned for expansion of storage capacity are small. The opinion that capacity in excess of transhipment (temporary) storage is unnecessary is ill-founded, since sea-based supplies make it imperative that 2 months' stocks should be held. Tank farms in Polish ports are badly situated, and their capacity must be expanded. This would take care of the fact that in winter consumption is 55% of the yearly consumption. M. S.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, Piotr, mgr. (Warszawa)

Liquid gas as source of infrared rays. Nafta Pol 16 no.6:165-167 '60.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, Piotr, mgr.

Realization of technical progress. Nafta Pol 17 no.19:347-348 '61.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, Piotr, mgr.

Liquid gas, a valuable raw material for the national economy.
Przegl techn no.47:5 23 N '60.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, Piotr, mgr

Development of the retail distribution of petroleum products.
Nafta Pol 18 no.11:307-308 N '62.

1. Centrala Produktow Naftowych, Warszawa.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, Piotr, mgr

Liquid petroleum gas as a source of economy in power fuel management.
Nafta 19 no.8:194-197 Ag '63.

1. Centrala Produktow Naftowych, Warszawa.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, S., inz.

Current indication in the cable cores of high-voltage networks. Elektrotechnik 19 no. 3:87-88 Mr '64.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, Stanislav, inz.

Measurement of the phase-shifting angle in transformers by an electronic oscilloscope. Elektrotechnik 18 no.7:200-201 Jl '63.

1. Trinecke zelezarny Velke rijnove socialisticke revoluce, n.p., Trinec.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

Lipka, Stephan Über [illegible] von Zeichenwechsel

[illegible]

The author [illegible]

[illegible] arguments of the [illegible] the complex roots satisfy [illegible] then the a_k's have precisely [illegible] changes of sign [illegible] roots. Assume $\xi < 0$ and $\xi \le \beta_1 + \cdots + \beta_n$. Then the a_k have precisely [illegible] changes [illegible] roots lie in the [illegible]

Source: Mathematical Reviews, Vol. [illegible]

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

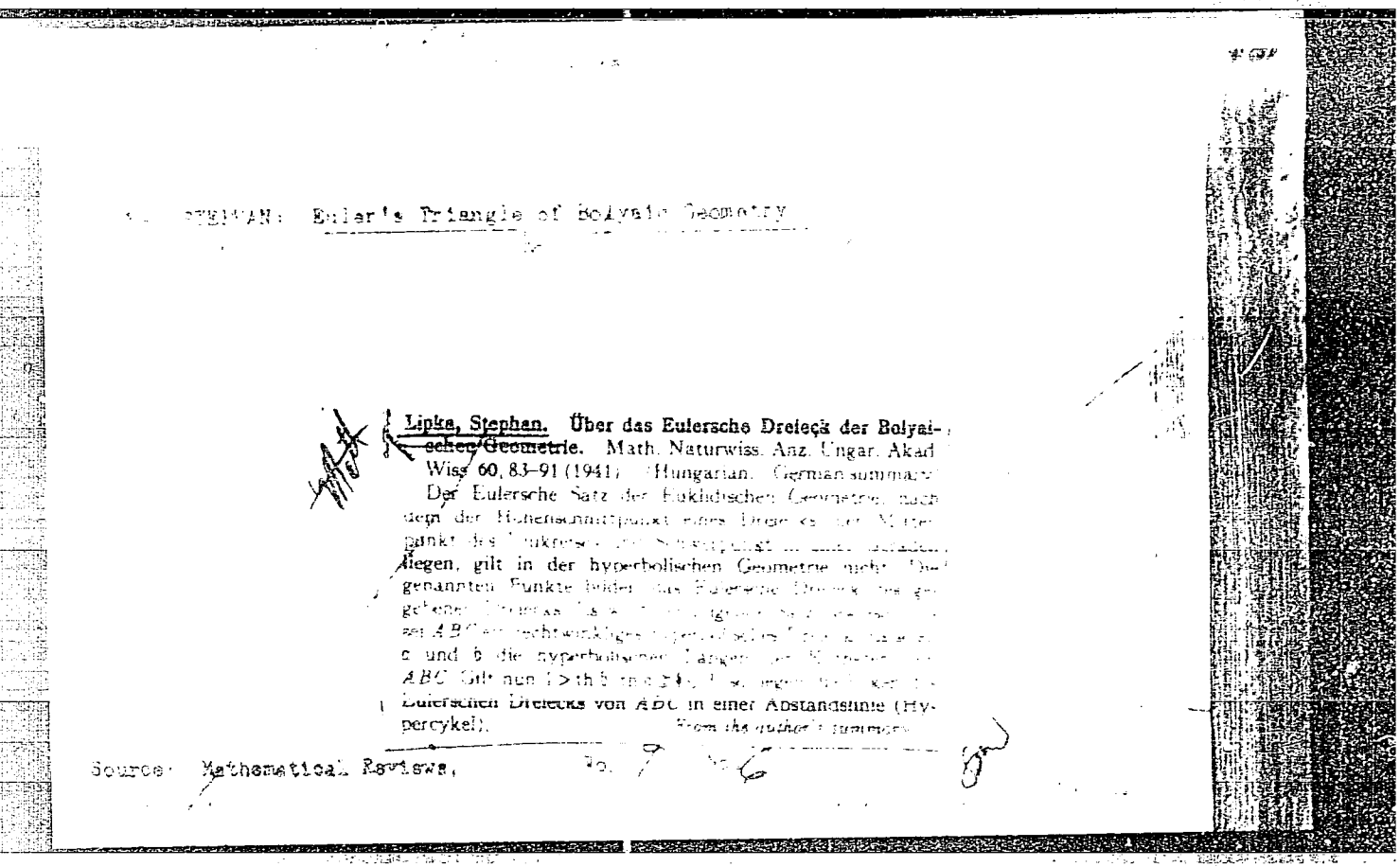
"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIHKA, Stanislav

Glow-discharge tube [illegible] supplementary voltage control for television sets. Elektrotechnik 19 no.11:321 N '64.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1



...RGMAN: Euler's Triangle of Bolyai Geometry

Lipka, Stephan. Über das Eulersche Dreieck der Bolyai-schen Geometrie. Math. Naturwiss. Anz. Ungar. Akad. Wiss. 60, 83–91 (1941). [Hungarian. German summary.]

Der Eulersche Satz der Euklidischen Geometrie, nach dem der Höhenschnittpunkt eines Dreiecks, der Mittelpunkt des Umkreises und der Schwerpunkt ... auf einer Geraden liegen, gilt in der hyperbolischen Geometrie nicht. Die genannten Punkte bilden das Eulersche Dreieck des gegebenen ... Sei ABC ein rechtwinkliges hyperbolisches Dreieck, c und b die hyperbolischen Längen der Seiten AB und AC des ABC. Gilt nun $b > th\,\frac{c}{2}$, ... so liegen die Ecken des Eulerschen Dreiecks von ABC in einer Abstandslinie (Hypercykel).

From the author's summary.

Source: Mathematical Reviews, Vol. 7, No. 6

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, S.

"Disappearance of waters in the Lodz area." p.373

CZASOPISMO GEOGRAFICZNE (Polskie Towarzystwo Geograficzne) Wroclaw, Poland
Vol. 29, no. 3, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959

Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

8(2) POL/24-59-8-2/13

AUTHORS: Lipka, Zygmunt; Morzycki, Witold; Maksymiuk, Jan, Mgr. Engineers

TITLE: Switching Characteristics of the Dry Circuit Breakers, Model N 107-III-40, Under Special Working Conditions

PERIODICAL: Wiadomości Elektrotechniczne, 1959, Nr 8, pp 238-240 (POL)

ABSTRACT: The article describes tests made on the Polish-manufactured circuit breakers of above type, originally constructed for a-c, but to be used with both d-c and a-c loads up to 80 amperes (550 volts a-c, 275 volts d-c) by laboratories testing electrical equipment for quality and for awarding the "Seal of Approval". After extensive tests for reliability and efficiency consisting of 5,000 switching operations (on-off) under full loads (275 volts - 35 amperes, 2,750 volts - 80 amperes, and 550 volts - 80 amperes) it has been found out that they can completely replace the more expensive model "SP" designed for d-c.
There are 5 circuit diagrams.

Card 1/2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

POL/24-59-8-2/13

Switching Characteristics of the Dry Circuit Breakers, Model N 107-III-40, Under Special Working Conditions

ASSOCIATIONS: Biuro Znaku Przepisowego SEP (Trademark Code Office of SEP), Katedra Przyrządow Rozdzielczych P.W. (Chair of Power Distribution, Polytechnica University of Warsaw).

Card 2/2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKA, Zygmunt, mgr inz.; MORZYCKI, Witold, mgr inz.; MAKSYMIUK, Jan., mgr inz.

Connecting capacity of dry contactors type N 107-III-40 under particular working conditions. Wiad elektrotechn 19 no.8:238-240 Ag '59.

1. Biuro Znaku Przepisowego SEP, Warszawa (for Lipka and Morzycki).
2. Katedra Przyrzadow Rozdzielczych, Politechnika, Warszawa (for Maksymiuk).

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

RUBASHEVA, A.Ye., prof., otv. red.; KOZHOGOV, A.I., prof., red.;
LIPKAN, A.F., prof., red.; NUKOVA, N.S., dots., red.

[X-ray diagnosis of bone tumors] Rentgenodiagnostika opukholei kostei. Kiev, Zdorov'ia, 1964. 163.
(MIRA 17:11)

1. Kiev. Institut usovershenstvovaniya vrachey.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

USSR

Ribo- and deoxyribonuclease activity of the skin. M. I. Lipkan and N. I. Kerova. *Ukrain. Biokhim. Zhur.* 26, [illegible] Russian 277–8)(1954).—It is assumed that ribonuclease (I) and deoxyribonuclease (II) are indicative of the initial stages of tissue breakdown and of final stages of biosynthesis of nucleic acids (III). The viscosimetric method of analysis was used. In the stage of skin regeneration II rose. This points to a higher intensity of deoxyribonucleic acid metabolism in skin regeneration which is associated with protein synthesis and tissue restoration. The activity of I in regenerating skin retains its normal level. In the process of skin regeneration total H_2O-sol. N is increased by 79–94%, nonprotein H_2O-sol. N by 23–33%. This points to an increased intensity in the synthesis of protein and indirectly to the existence of a process of polymerization. The distribution of I and II over the skin is unequal and depends upon the functional-topographic characteristics of the skin. Most active is the skin of the groins and the least active the skin of the back.

B. S. Levine

Inst-Biochem. AS UkrSSR

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, N.F.

Materials of the Eighth All-Union Congress of Physiologists, Biochemists, and Pharmacologists; biophysical problems at the conference. Fiziol.zhur. (Ukr.) 1 no.4:139-141 Jl-Ag '55. (MLRA 9:11)
(BIOPHYSICS--CONGRESSES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

Nucle[illegible]

[illegible] desoxyribonucleic acid - II varies from 11 to 74 mg. % with an av. of 38 mg. %. In regenerating skin the av. for I is 210 mg. % and for II 82.1 mg. %. The percentagewise greater increase in II as compared with I points to the greater functional importance of II in skin regeneration. In the skin of rabbit embryos 27 days old the total of nucleic acid (III) is 910 mg. % on the dry wt. basis; in newly born rabbits 911 mg. %; in rabbits 10 days old 627 mg. %; in rabbits 2-months old 320 mg. %; and in adult rabbits 160 mg. %. Though the abs. values may differ, the order of the values is much the same for I and II, both constituents of III. There are, however certain qual. differences. The abs. quantity of I during all periods of the animal's development considerably exceeds that of II even though in the periods of most intensive development of the animals the skin content of II is relatively higher than that of I. The content of I and II varies in various regions of the skin which have different functional characteristics. The highest value for III (with II predominating) was found in the skin of the groins, followed by the skin of the ears. The lowest content of III was found in the skin of the back. Under conditions of intensified protein metabolism and synthesis the increase in II exceeds that of I, indicating that II plays a definite part in protein biosynthesis. B. S. Levine

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

Name	:	LIPKAN, N. F.
Dissertation	:	Nucleic acid metabolism in the skin of animals in different functional states
Degree	:	Doc Biol Sci
Defended At	:	Acad Sci Ukrainian SSR, Division of Biological Sciences
Publication Date, Place	:	1956, Kiev
Source	:	Knizhnaya Letopis' No 5, 1957

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, N.F.

"Changes in Nucleic Acids in the Skin in Radiation Sickness," by N. F. Lipkan, Fiziologichniy Zhurnal, Vol 2, No 5, 1956, pp 86-89

General x-irradiation with a dose of 600 r causes noticeable changes in the content of nucleic acids in the skin. Desoxyribonucleic acid is affected to a lesser extent.

Following irradiation with a dose of 1,200 r more marked changes in nucleic acid metabolism take place. The decrease in DRNA is greater than the decrease in RNA, both relatively and absolutely. Evidently under these conditions destructive changes in the skin as a result of the breakdown of nucleoproteins is more marked, as most of the tissue DRNA is found among the nucleoproteins.

The author concludes that under the above conditions there is a disturbance in the conversion of RNA into DRNA. (U)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, N.F.

Nucleic acid metabolism in denervated skin. Fiziol.zhur. [Ukr.] 2 no.6:115-121 N-D '56. (MLRA 10:2)

1. Institut fiziologii imeni O.O.Bogomol'tsya Akademii nauk URSR, laboratoriya biofiziki.
(NUCLEIC ACIDS)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

KIRKAN, M.F.

Effect of the nucleic acids and some other substances on the growth of yeast. M. F. Kirkan. Mikrobiologiia 21 no.2:183-188 Mr-Ap '52. (CLML 22:3)

1. Academy of Sciences of the Ukrainian SSR, Institute of Microbiology.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, M.F.

Structural proteins of the skin in radiation lesions. [with summary in English]. Ukr.biokhim.zhur. 29 no.1:90-95 '57. (MIRA 10:5)

1. Laboratoriya biofiziki Institutu fiziologii im. akad. O.O.Bogomol'tsya Akademii nauk Ukrains'koi RSR, Kiiv.
(NUCLEOPROTEINS) (SKIN) (RADIATION SICKNESS)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

PHASE I BOOK EXPLOITATION SOV/5707

Lipkan, Nikolay Fedorovich

Elementy radiatsionnoy biokhimii (Elements of Radiation Biochemistry) Kiyev, Gos. meditsinskoye izd-vo UkrSSR, 1958. 158 p. 3,000 copies printed.

Ed.: A. A. Gorodetskiy; Tech. Ed.: Ye. G. Lokhmatyy.

PURPOSE: This book is intended for doctors and students of medicine and for nonmedical specialists interested in the effect of ionizing radiation on living organisms.

COVERAGE: The book summarizes and reviews information available in the field of radiobiochemistry, the branch of radiobiology that investigates the effect of radiation on living cells, tissue, and the entire organism by examining the biochemical changes occurring in organisms exposed to ionizing radiation. Metabolic disturbances induced by radiation are examined in the light of metabolic processes in normal organisms. Attempts to

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Elements of Radiation (Cont.)

correct functional disturbances, and methods of investigating metabolic processes with radioactive isotopes are discussed. There is a brief outline of the work of Russian physiologists in this field. The following journals in the field of radiobiochemistry are mentioned: Biofizika, Atomnaya energiya, Vestnik rentgenologii i radiologii, Meditsinskaya radiologiya, and Meditsinskiy referativnyy zhurnal (Razdel 4- Rentgeno-radiologiya). The following scientists are mentioned: Professor A. A. Gorodetskiy, Corresponding Member of the Academy of Sciences Ukrainian SSR; I. I. Ivanov, coauthor of Obmen veshchestv pri luchevoy bolezni, 1955 (Metabolism in Radiation Sickness); A. V. Lebedinskiy, editor of Radiatsionnaya meditsina, 1955 (Radiation Medicine); A. V. Palladin, V. A. Engel'gardt, G. Ye. Vladimirov, N. M. Sisakyan, V. N. Orekhovich, A. L. Kursanov, A. M. Kuzin - outstanding Soviet biochemists. There are 60 references, all Soviet.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, N.F.

Conference on the effect of ionizing radiation on the animal organism. Med.rad. 4 no.1:86-87 Ja '59. (MIRA 12:2)
(RADIATION--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, M.F.

"Purine metabolism in tissues of healthy and tumorous animals" by V.P. Korotkoruchko. Reviewed by M.F. Lipkan. Ukr.biokhim.zhur. 31 no.5:789-790 '59. (MIRA 13:4)
(PURINE METABOLISM) (TUMORS) (KOROTKORUCHKO, V.P.)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

MEDOVYI, Isaak Pavlovich, kand.med.nauk; LIPKAN, M.F., doktor biolog.nauk, otv.red.; STAROSTENKO, T.M., red.

[Chemical defense against the action of ionizing radiation] Khimichnyi zakhyst vid dii ioniziuiuchoi radiatsii. Kyiv, Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' URSR. 1960. 28 p. (MIRA 14:2)
(RADIATION PROTECTION)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

KOROTKORUCHKO, Vasiliy Pavlovich, doktor biolog. nauk; LIPKAN, M.F., doktor biolog. nauk, otv. red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Modern concepts of metabolism in the organism] Suchasni uiavlennia pro obmin rechovyn v organizmi. Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.6) (MIRA 14:8)

(METABOLISM)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, N.F.

PHASE I BOOK EXPLOITATION SOV/5853

Gorodetskiy, Aleksey Afanas' yevich, Boris Romanovich Kirichinskiy, Nikolay Fedorovich Lipkan

Ocherki po radiobiologii (Essays on Radiobiology) Kiyev, Izd-vo AN UkrSSr, 1961. 219 p. 3000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Institut fiziologii im. A. A. Bogomol' tsa.

Resp. Ed.: A. A. Gorodetskiy, Corresponding Member, Academy of Sciences UkrRSR; Ed. of Publishing House: L. P. Braginskiy; Tech. Ed.: A. A. Matveychuk.

PURPOSE: This book is intended for scientific workers, biologists, doctors, and biochemists.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

Essays on Radiobiology SOV/5853

COVERAGE: Basic laws governing the action of ionization radiations on the living organism, problems of the dosimetry of ionization radiation, and methods of protection against ionization radiation are discussed. The book follows the seminar course on radiation biology at the Otdeleniye biologicheskikh nauk AN USSR (Department of Biological Sciences AS UkrSSR). No personalities are mentioned. There are 288 references: 175 Soviet, 42 English, 18 German, and 3 French.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, M.F.; BARABOY, V.A.; LUKASHOVA, R.G. [Lukashova, R.H.]

Changes in the amount of nucleic acids in the organs of rats under the influence of X irradiation and the prophylactic action of propyl gallate. Ukr. biokhim. zhur. 34 no.2:167-175 '62. (MIRA 16:11)

1. Laboratoriya biofiziki Instituta fiziologii im. A.A. Bogomol'tsa AN UkrSSR i kafedra radiologii Instituta usovershenstvovaniya vrachey, Kiyev.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKAN, N.F. [Lipkan, M.F.]; PINDICH, M.T. [Pindych, M.T.]

Nucleic acid content of tissues of animals irradiated and treated with an antiradiation complex. Ukr. biokhim. zhur. 35 no.4:514-519 '63. (MIRA 17:11)

1. Department of Medical Radiology of the Kiyev Postgraduate Institute for Physicians.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

L 45802-65 EWG(j)/EWT(m)

ACCESSION NR AM4041625 BOOK EXPLOITATION S/

Lipkan, Nikolay Fedorovich (Doctor of Biological Sciences, Professor)

Elements of radiation biology and biochemistry (Elementy radiatsionnoy biologii i biokhimii), Kiev, Gosmedizdat USSR, 1963, 163 p. illus., biblio. 2,900 copies printed.

TOPIC TAGS: radiation biology, biochemistry, radiation biological effect, ionizing radiation

PURPOSE AND COVERAGE: This book deals with problems concerning changes in an animal organism when it suffers radiation damage. The book is intended mainly for doctors and also for biologists, physiologists, and biochemists who wish to become acquainted with the basic features of the biological effect of ionizing radiation and with changes in the exchange of substances of the irradiated organism. The book can be a useful aid for teachers and students of medical and biological educational institutions.

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SUBMITTED: 13Nov63 SUB CODE: LS

NO REF SOV: 124 OTHER: 017

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

AUTHOR: Lipkan, V. F., Engineer SOV/28-59-1-8/29

TITLE: The Unification of Slot Joints
(Unifikatsiya shlitsevykh soyedineniy)

PERIODICAL: Standartizatsiya, 1959, Nr 1, pp 29 - 32 (USSR)

ABSTRACT: The author studied the standardization of slot joins, cutting tools for these joints and methods of their centering. The evolvent joint is said to be preferable as it requires less cutting tools and the mechanical properties of its design are more advantageous than these of other types. The characteristics of the evolvent slot joints are illustrated in a table. There is 1 table and 6 references 5 of which Soviet and 1 American.

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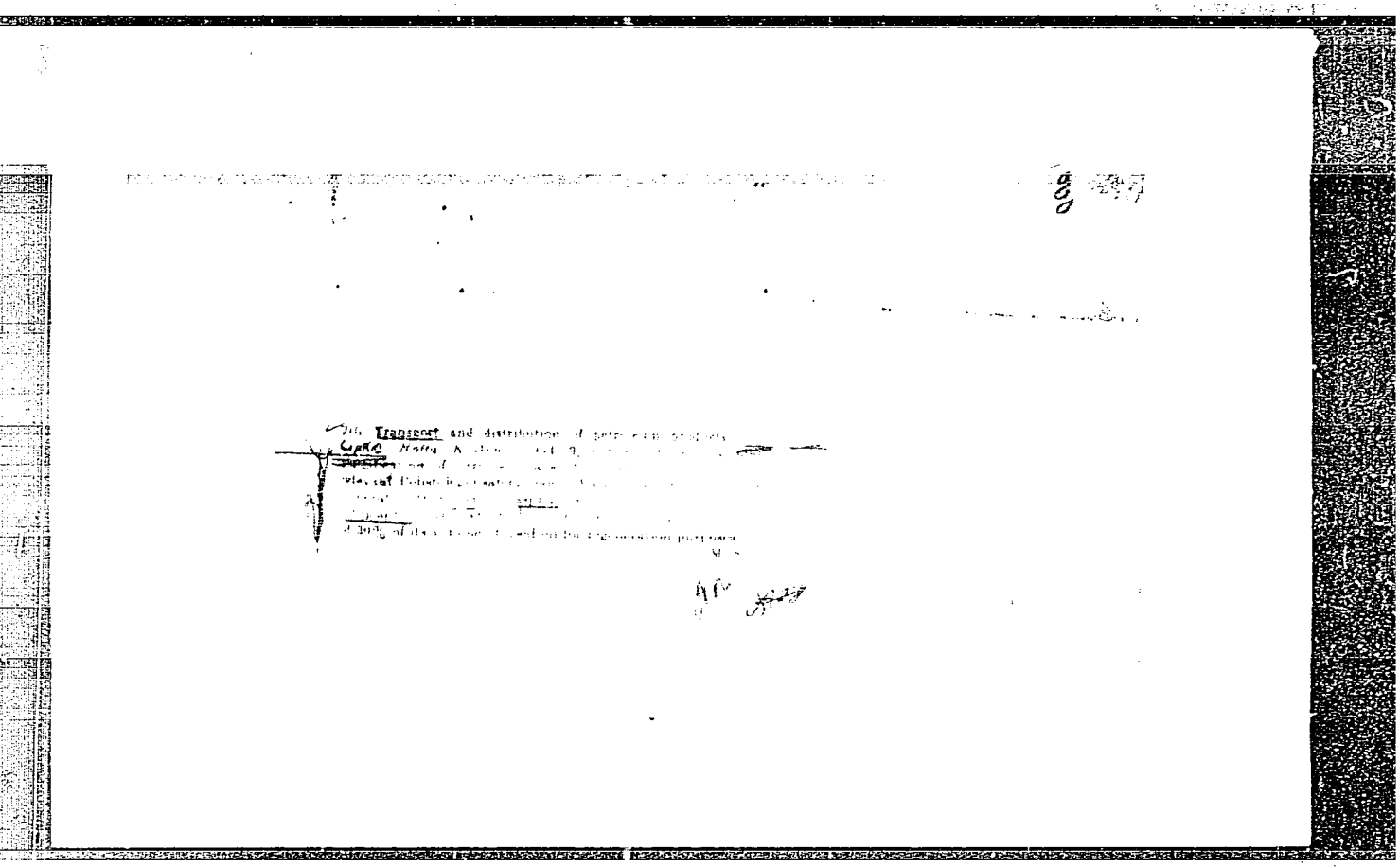

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKES, Genrika Borisovna; SINITSYNA, G.V., red.; SIROTINSKAYA, Ye.A., tekhn.red.

[Russian-Polish pocket dictionary of 9000 words] Karmannyi russko-pol'skii slovar'. 9000 slov. Moskva, Gos.izd-vo inostr. i natsional'nykh slovarei, 1960. 490 p. (MIRA 14:4)
(Russian language--Dictionaries--Polish)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

KISTER, E.G.; LIPKES, M.I.

Calcium chloride drilling fluids. Neft. khoz. 40 no.5:17-20 My '62. (MIRA 15:9)
(Oil well drilling fluids)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKES, M.I.; GAYNTSEV, A.F.; DUKHON, P.Yu.; ANAN'YEV, A.N.

Plant tests of chloroligmin, a new thinner for clay muds.
Trudy VNIING no.2:20-26 '63.
(MIRA 17:10)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKES, MI.I.; GAYNTSEV, A.F.; DUKHON, P.Yu.; ANAN'YEV, A.N.

Industrial tests of chlorolignin a new viscosity-reducing reagent for drilling muds. Trudy VNIING no.2:20-26 '63.
(MIRA 17:5)

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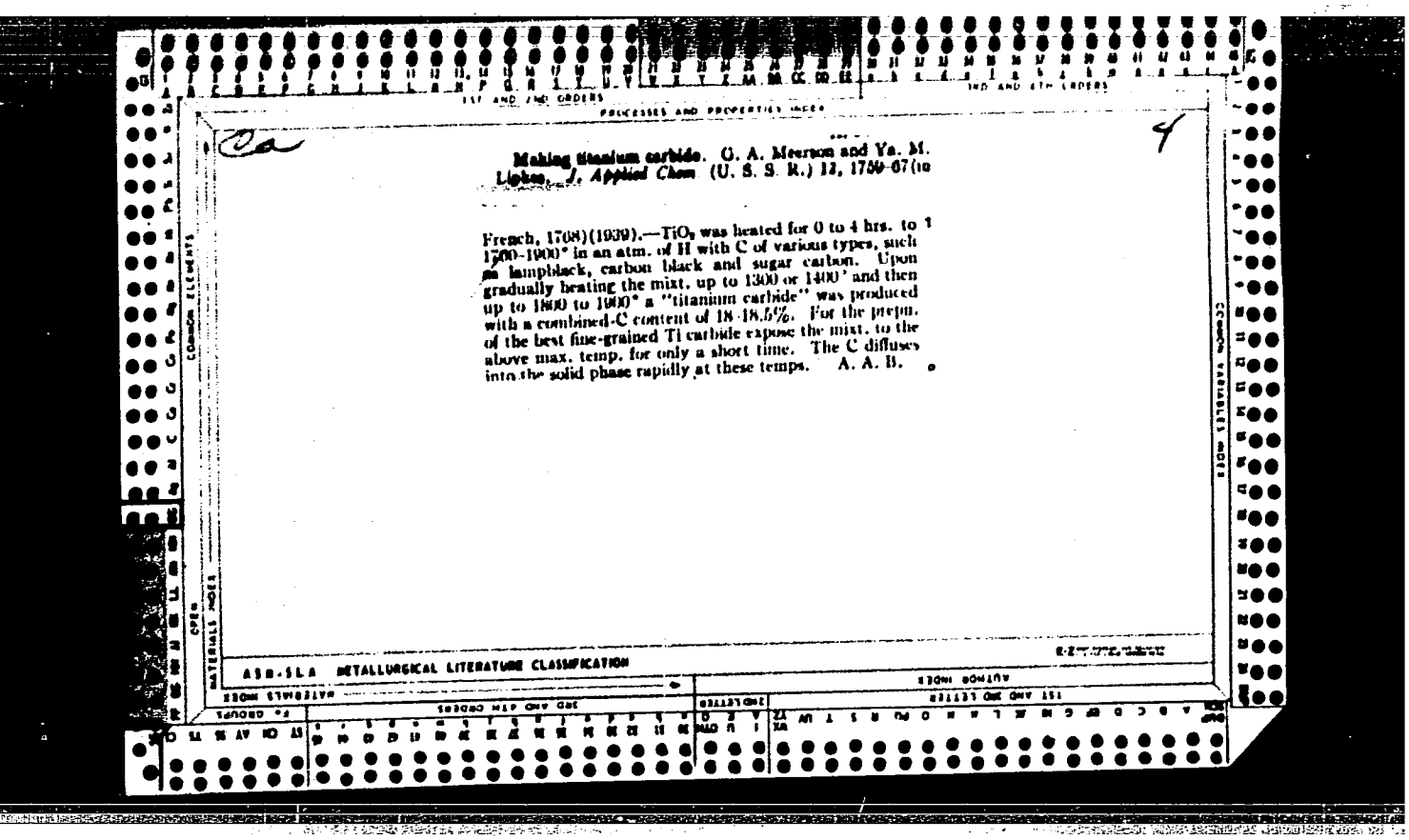

Making titanium carbide. G. A. Meerson and Ya. M. Lipkes. *J. Applied Chem* (U. S. S. R.) 12, 1759-67(in French, 1768)(1939).—TiO_2 was heated for 0 to 4 hrs. to 1500-1900° in an atm. of H with C of various types, such as lampblack, carbon black and sugar carbon. Upon gradually heating the mixt. up to 1300 or 1400° and then up to 1800 to 1900° a "titanium carbide" was produced with a combined-C content of 18-18.5%. For the prepn. of the best fine-grained Ti carbide expose the mixt. to the above max. temp. for only a short time. The C diffuses into the solid phase rapidly at these temps. A. A. B.

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ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

OKES, Ya. M.

On the Problem of Producing Metallic Titanium by Electrolysis of Molten Baths

S. I. Skliarenko, Ya. M. Lipkes

Zhurnal Prikl. Khim. 13(1), 51-55 1940 U.S.S.R.

Experiments on the electrolysis of titanium dioxide dissolved in molten salts and salt mixtures under different conditions are described. The salts were calcium chloride, cryolite, calcium and sodium chlorides, and sodium pyrophosphate and chloride. Experiments were also made on the electrolysis of potassium fluoro-titanate dissolved in a mixture of molten sodium and potassium chlorides. In all cases a mixture of the lower oxides of titanium was deposited on the cathode, in some cases apparently containing a certain quantity of the metal. (Bibl.17)

(D.R.B. Translation(T110R),9pp.,23.2.1954,Canada)

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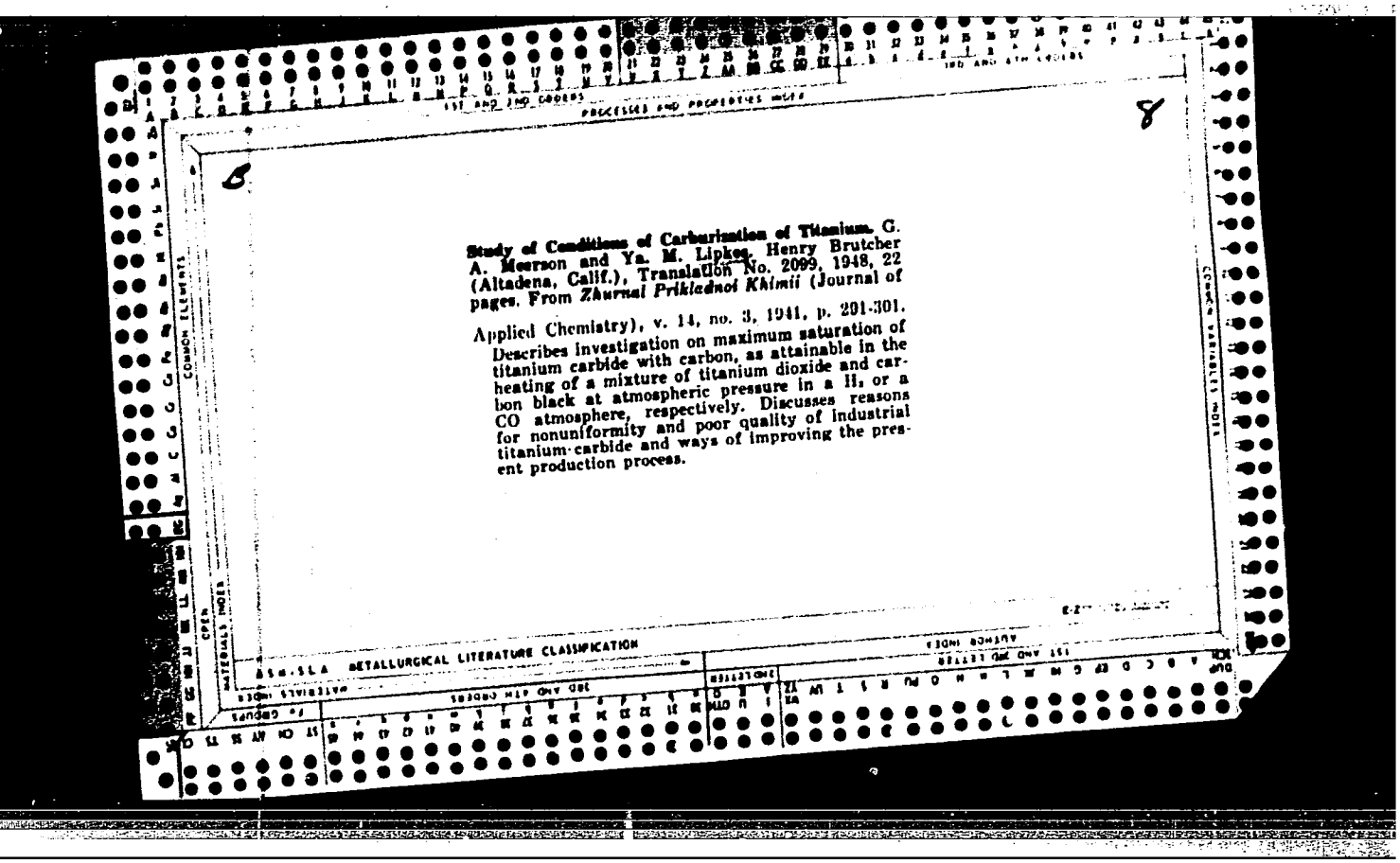

Study of Conditions of Carburization of Titanium. G. A. Meerson and Ya. M. Lipkes. Henry Brutcher (Altadena, Calif.), Translation No. 2099, 1948, 22 pages. From *Zhurnal Prikladnoi Khimii* (Journal of Applied Chemistry), v. 14, no. 3, 1941, p. 201-301.

Describes investigation on maximum saturation of titanium carbide with carbon, as attainable in the heating of a mixture of titanium dioxide and carbon black at atmospheric pressure in a H, or a CO atmosphere, respectively. Discusses reasons for nonuniformity and poor quality of industrial titanium-carbide and ways of improving the present production process.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKES, Ya.M., kandidat tekhnicheskikh nauk; AFINOGENOV, V.P., redaktor; ISLENT'YEVA, P.G., tekhnicheskiy redaktor

[Titanium and its use in technology] Titan i ego primenenie v tekhnike. Moskva, Oborongiz NKAP, 1945. 62 p. (MIRA 9:1)
(Titanium)

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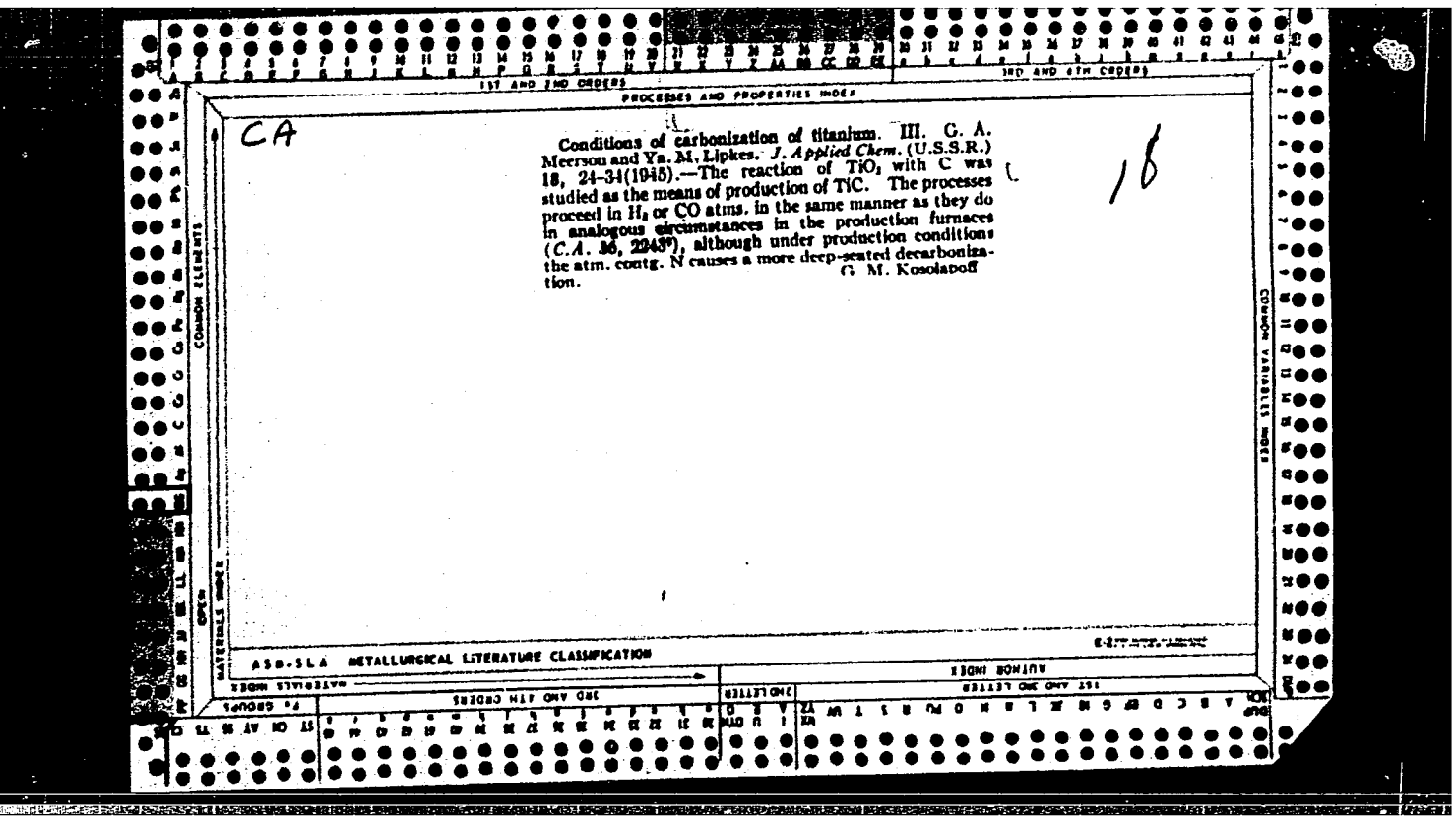

CA

16

Conditions of carbonization of titanium. III. G. A. Meerson and Ya. M. Lipkes. *J. Applied Chem.* (U.S.S.R.) 18, 24–34(1945).—The reaction of TiO_2 with C was studied as the means of production of TiC. The processes proceed in H_2 or CO atms. in the same manner as they do in analogous circumstances in the production furnaces (*C.A.* 36, 2243⁹), although under production conditions the atm. contg. N causes a more deep-seated decarboniza-tion.

G. M. Kosolapoff

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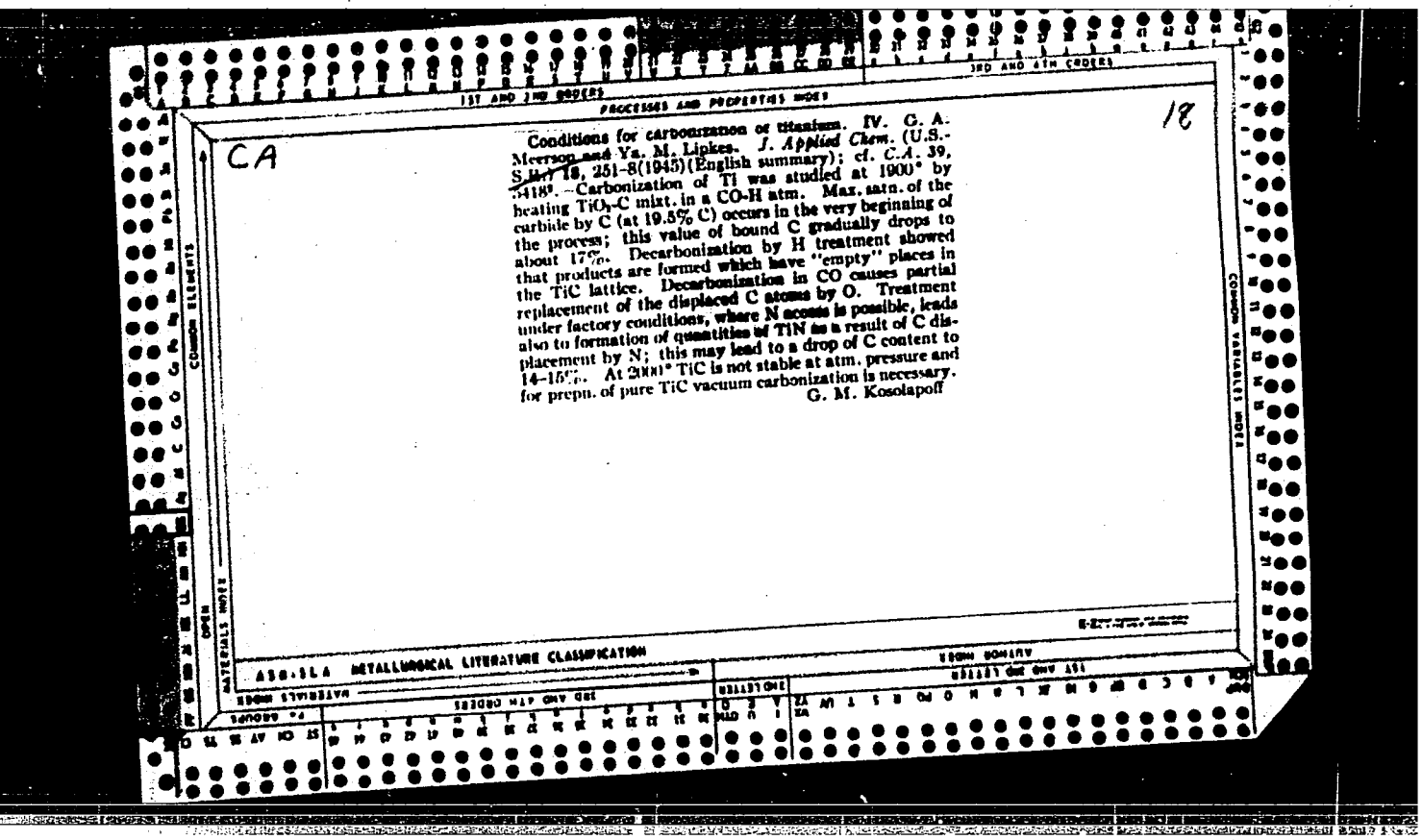

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18

Conditions for carbonization of titanium. IV. G. A. Meerson and Ya. M. Lipkes. *J. Applied Chem.* (U.S.S.R.) 18, 251–8(1945)(English summary); cf. *C.A.* 39, 5418⁹.—Carbonization of Ti was studied at 1900° by heating TiO_2-C mixt. in a CO-H atm. Max. satn. of the carbide by C (at 19.5% C) occurs in the very beginning of the process; this value of bound C gradually drops to about 17%. Decarbonization by H treatment showed that products are formed which have "empty" places in the TiC lattice. Decarbonization in CO causes partial replacement of the displaced C atoms by O. Treatment under factory conditions, where N access is possible, leads also to formation of quantities of TiN as a result of C displacement by N; this may lead to a drop of C content to 14–15%. At 2000° TiC is not stable at atm. pressure and for prepn. of pure TiC vacuum carbonization is necessary.

G. M. Kosolapoff

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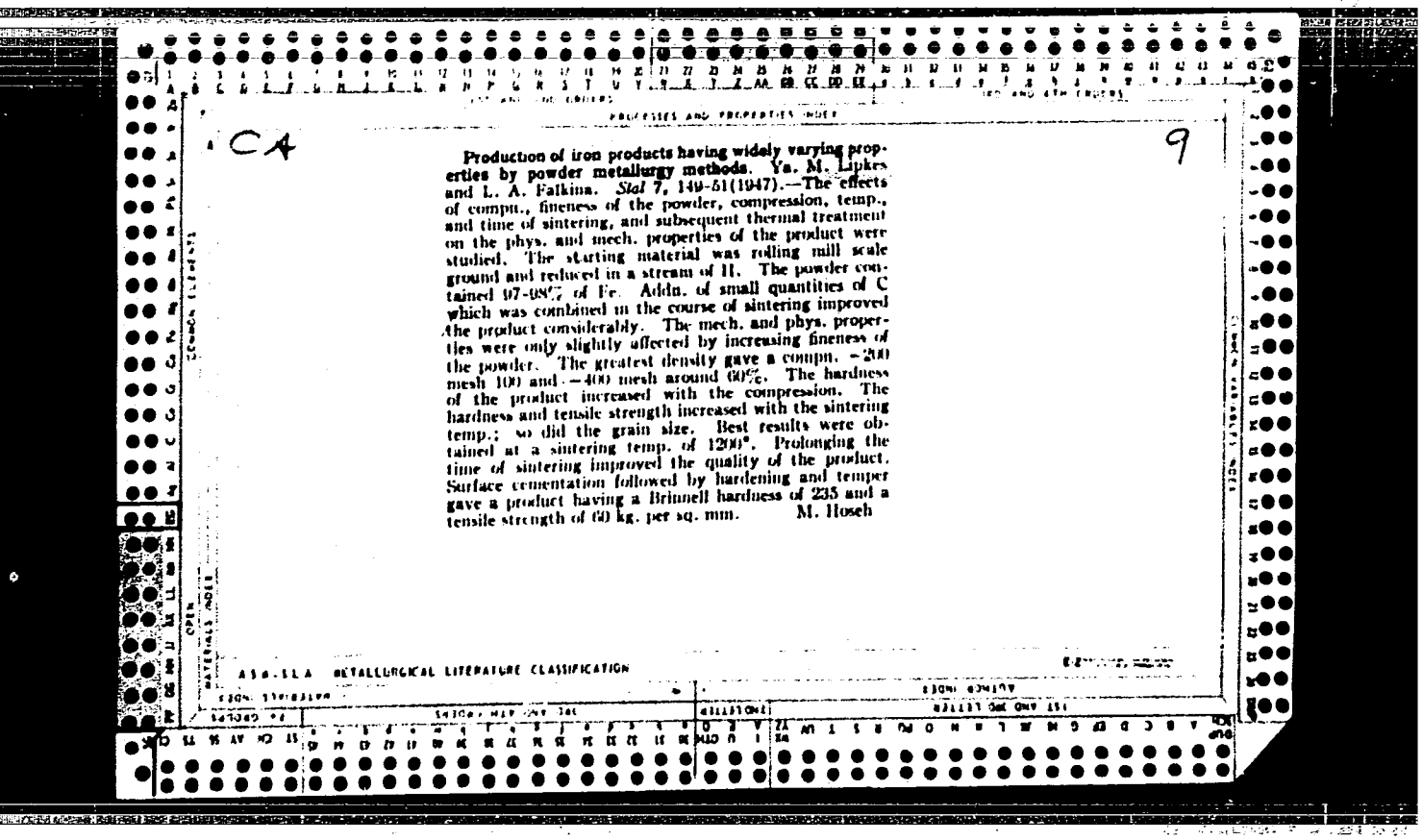

CA

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Production of iron products having widely varying properties by powder metallurgy methods. Ya. M. Lipkes and L. A. Falkina. *Stal* 7, 149-51(1947).—The effects of compn., fineness of the powder, compression, temp., and time of sintering, and subsequent thermal treatment on the phys. and mech. properties of the product were studied. The starting material was rolling mill scale ground and reduced in a stream of H. The powder contained 97-98% of Fe. Addn. of small quantities of C which was combined in the course of sintering improved the product considerably. The mech. and phys. properties were only slightly affected by increasing fineness of the powder. The greatest density gave a compn. −200 mesh 100 and −400 mesh around 60%. The hardness of the product increased with the compression. The hardness and tensile strength increased with the sintering temp.; so did the grain size. Best results were obtained at a sintering temp. of 1200°. Prolonging the time of sintering improved the quality of the product. Surface cementation followed by hardening and temper gave a product having a Brinnell hardness of 235 and a tensile strength of 60 kg. per sq. mm. M. Hoseh

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

GULYANITSKIY, B.S.; LIPKES, Ya.M.; GEGER, V.E.

Utilization of titanium waste products. (Review of foreign literature). TSvet.met. 29 no.4:88-94 Ap '56. (MLRA 9:8)
(Titanium--Metallurgy)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKES, Ya. M.

18(0); 25(0) PHASE I BOOK EXPLOITATION SOV/1751

USSR. Ministerstvo tsvetnoy metallurgii. Tsentral'naya nauchno-tekhnicheskaya biblioteka

Titan; bibliograficheskiy ukazatel' (Titanium; a Bibliographic Guide) Moscow, Metallurgizdat, 1957. 139 p. 1,000 copies printed.

Compiler: E.L. Zil'berberg, Bibliographer; Eds.: Ya. M. Lipkes, Candidate of Technical Sciences, and V.A. Akif'yev; Tech. Ed.: F.G. Islent'yeva.

PURPOSE: This book is intended for workers in nonferrous metallurgy.

COVERAGE: The bibliography lists works, principally non-Soviet, on titanium published between 1952 and 1956. It is intended as a supplement to a larger bibliography originally published in the U.S.A. of similar works which appeared between 1900 and 1951. Numerous aspects of the titanium industry are covered, such as sources of ore (outside the USSR), ore concentration, ore reduction, forming of titanium, specifications for the metal, use of titanium and its alloys, analytical chemistry of titanium, and the industry as a whole (outside the USSR).

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Titanium; a Bibliographic Guide SOV/1751

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AVAILABLE: Library of Congress (Z5524. T6R8)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

S/598/61/000/006/011/014
D228/D303

AUTHORS: Lipkes, Ya.M., Averteeva, K.N., and Koptseva, I.N.

TITLE: Studying the character of the process of condensation of magnesium and magnesium chloride vapors formed during the vacuum separation of the reaction mass

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. no. 6, 1961. Metallotermiya i elektrokhimiya titana, 80 - 83

TEXT: The authors studied the process of vacuum separation under high residual pressures which make possible the condensation of Mg and $MgCl_2$ vapors in order to try and find a way of both reducing the Mg loss and decreasing the condenser dimensions. According to D.S. Kamenetskaya (Ref. 1: Sb. Premeneniye vakuuma v metallurgii (Application of the Vacuum in Metallurgy) Izd. AN SSSR, 1958) and others, this process has to be conducted at a high temperature in the condenser zone -- with residual pressures in excess of the values corresponding to the triple-point readings: A vapor-tension of

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D228/D303

Studying the character of the ...

2.5 mm for Mg and 0.5 mm for $MgCl_2$, and a temperature of 651° for Mg and 7[illegible]2° for $MgCl_2$. The work was carried out in a laboratory apparatus with upper and lower condensers in the following stages: Insertion of the reaction mass in the upper or lower part of the retort; the evacuation of air down to a residual pressure of 10^{-2} mm; heating the reaction mass to 950°, followed by its soaking for a set period; Cooling the apparatus under an excess pressure of argon; And determination of Mg and Cl in the sponge to ascertain the degree of separation. The first series of experiments showed that the volumetric weight of the condensate in the apparatus with a lower condenser (0.9 - 1.3 g/cm^3) is twice as great as is the case in the upper condenser. Under these conditions $MgCl_2$ occurs in the liquid phase while Mg is in the solid phase, since it has a capillary connexion with the Ti sponge. Further tests with material containing 44 % Ti, 36 % $MgCl_2$, and 20 % Mg -- conducted under a residual argon pressure of 10 - 15 mm, and at a temperature of 950° in the separation zone and 50° in the condensation zone -- gave a heavier condensate (1.2 - 1.4 g/cm^3) in which liquid Mg had originally been present. Still denser material (1.4 - 1.5 g/cm^3) was sub-

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Studying the character of the ...

sequently obtained by raising the temperature in the condenser zone to 650°, although this tended to diminish the rate of separation. Additional experiments, in which the condenser temperature was varied from 100 to 900°, indicated that the rate of separation considerably decreases above the critical temperature of 650°. The authors thus conclude that application of the system developed by them will enable the density of the condensate to be increased by approximately two-fold. There are 2 figures, 2 tables and 3 Soviet-bloc references.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

S/598/61/000/006/012/034
D245/D303

AUTHORS: Lipkes, Ya.M., Avertseva, K.N., and Koptseva, I.N.

TITLE: Testing solid absorbents for vapor removal in producing titanium sponge

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. no. 6, 1961. Metallotermiya i elektrokhimiya titana, 84 - 87

TEXT: The authors point out the undesirable effects of water and HCl vapors in the vacuum separation of the reaction products of magnesiothermal reduction of $TiCl_4$. HCl vapors can be effectively removed by a freeqing traps using liquid N_2, but this has disadvantages in practice. Accordingly, the following possible absorbents were tested by drawing through HCl vapor with a control traps of liquid N_2: Ca, Mg oxides, $MgCl_2$, Ca, solid NaOH, silica-gel, activated charcoal, Ti powder, heated to 800°C. Satisfactory absorption was observed with (1) a mixture of activated charcoal and Ti powder heated to 800°C and (2) a mixture of solid NaOH and Ti powder (800 °C). There are 1 figure and 3 tables.
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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

1

S/137/62/000/006/037/163
A006/A101

AUTHORS: Lipkes, Ya. M., Avertseva, K. N., Koptseva, I. N.

TITLE: Studies on the nature of the condensation process of magnesium and magnesium chloride vapors, developing during vacuum separation of a reaction mass

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 14, abstract 60103 (In collection: "Titan i yego splavy", no. 6, Moscow, AN SSSR. 1961, 80 - 83)

TEXT: The authors studied the process of vacuum separation in apparatus with upper and lower condensers under conditions of higher residual pressure (0.5 - 15 mm Hg) which make it possible that Mg and $MgCl_2$ vapors be condensed to a liquid phase. The apparatus with a lower condenser yields a condensate with a more dense structure on account of partial melting out and condensation into a liquid phase of $MgCl_2$. The Mg vapors were condensed merely to a solid phase. Partial condensation of Mg vapors, at first to a liquid phase, is possible at 10 - 15 mm Hg residual pressure in the apparatus, a temperature of 950°C in the

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S/137/62/000/006/037/163
A006/A101

Studies on the nature of...

separation zone and 50°C in the condensation zone. The volumetric weight of the condensate is then equal to 1.20 - 1.24 g/cm^3. The most dense condensate of 1.4 - 1.5 g/cm^3 volumetric weight, was obtained when the temperature in the condenser zone was maintained equal to the Mg melting point (650°C).

L. Vorob'yeva

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKIN, A.Ye. (Krasnoyarsk)

Drawings of round bodies. Mat.v shkole no.4:64 Jl-Ag '59.
(MIRA 12:11)

(Geometry--Study and teaching)
(Geometrical drawing)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKIN, A. E., ASEYEVA, L. S., ILYUSHENKO, V. L., IVLEV, F. F., (Krasnoyarsk)

"The Study of Irreversible Jumps of Magnetic Reversal in Ferromagnetic Substances," a paper submitted at the International Conference on Physics of Mangetic Phenomena, Sverdlovsk, 23-31 May 56.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

L 38730-66 EWT(l)/EWT(m)/EWP(j)/T IJP(c) RM/WW/RO

ACC NR: AP6012716 (A) SOURCE CODE: UR/0190/66/008/004/0708/0712

AUTHOR: Smirnova, O. V.; Korovina, Ye. V.; Kolesnikov, G. S.; Lipkin, A. M. Kuzina, S. I.

ORG: Moscow Institute of Chemical Technology im. D. I. Mendeleyev (Moskovskiy khimiko-tekhnologicheskiy institut)

TITLE: Synthesis and investigation of polycarbonate from cyclopentane and phosgene

SOURCE: Vysokomolekulyarnyye soyedineniya, v. i, no. 4, 1966, 708-712

TOPIC TAGS: phosgene, cyclopentane, polycarbonate, polycondensation

ABSTRACT: A polycarbonate from 1,1-di-(4-hydroxyphenyl) cyclopentane was synthesized by the condensation of cyclopentanone with phenol. The polycarbonate was prepared by means of interphase polycondensation. Optimum conditions were established for the polycarbonate synthesis and its physical, mechanical and dielectric properties were determined. It was found that transparent polycarbonate films prepared from a 20% solution in methylene chloride are suited for use at elevated temperatures. Orig. art. has: 5 figures. [NT]

SUB CODE: 11, 07/ SUBM DATE: 28Apr65/ ORIG REF: 006/ OTH REF: 001

Card 1/1 UDC: 541.64+678.674

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKIN, A.Ye., inzh.

The output of cracking gasoline can be increased. Neftianik 3 no.11:12-14 N '58. (MIRA 12:2)

1. Kuybyshevskiy neftepererabatyvayushchiy zavod.
(Gasoline)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

SOV/92-58-8-10/36

11(4)

AUTHORS: Lipkin, A.E. and Grigoryan, L.A., Engineers

TITLE: Higher Yield of Gasoline in Two Furnace Cracking Units (Uvelicheniye vykhoda kreking-benzina na ustanovkakh dvupechnogo termicheskogo krekinga)

PERIODICAL: Neftyanik, 1958, Nr 8, pp 16-17 (USSR)

ABSTRACT: The authors state that in spite of measures taken to boost the yield of thermal cracking gasoline (installation of an auxiliary reaction chamber, utilization of cracked residues from low pressure towers as a feed for the deep cracking units, etc.) a number of refineries in the eastern part of the USSR fail to yield cracking gasoline with 205° C E.P. in excess of 25-28 percent of mazout used as a feed stock. However, according to calculations of S.N. Obryadchikov, its yield should reach 35-40 percent of the stock used. In addition to a number of factors the yield of the thermal cracking gasoline, the above failure of eastern refineries was due to the fact that the light reflux coming to the deep cracking furnace contained, as indicated in

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Table 1, 10-20 percent of gasoline with 205° C E.P. In order to reduce this quantity of gasoline the author proposes to direct the light reflux to the evaporator operating under a pressure of 4-5 kg/cm^2. This procedure will make it possible to remove an additional quantity of the 205° C E.P. gasoline from the reflux and to improve the quality of the latter as deep cracking feed stock. The results of laboratory tests, shown in Table 2, confirm the correctness of the above suggestion. Conditions under which the operation should be carried out are specified by the author who also gives the flow chart recommended for topping the light reflux without undesirable complications. The removal of gasoline fractions from the light reflux with the aid of evaporating towers will ensure a higher yield of gasoline produced in a thermal cracking unit and will lower the cost of gasoline production. In view of the importance of the problem as to how the yield of thermal cracking gasoline may be increased the Editorial Office of Neftyanik invites its readers to express their views on the subject.

ASSOCIATION: Kuybyshevskiy neftepererabatyvayushchiy zavod (The Kuybyshev refinery)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

SOV/92-58-9-11/36

11(4)

AUTHOR: Lipkin, A.E., Engineer

TITLE: Tentative Treatment of Sulfurous Gasolines with Calcium Hypochlorite (Opyt ochistki sernistykh benzinov gipokhloritom kal'tsiya)

PERIODICAL: Neftyanik, 1958, Nr 9, pp 14 - 15 (USSR)

ABSTRACT: The Kuybyshev refinery made experiments in treating sulfurous straight-run gasoline, produced by a combined Atmospheric-Vacuum Pipe Still, with a 2 percent calcium hypochlorite solution after having treated this gasoline beforehand with a 10 percent caustic solution. The resultant gasoline was washed with water, distilled once more, and treated again with caustics. In a table the author gives the characteristics of the gasoline before and after being treated with calcium hypochlorite. The preliminary treatment of gasoline with a caustic solution was necessary because hydrogen sulfide forms the elementary sulfur under the influence of hypochlorite

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in the following reaction:

$$H_2S + NaClO \rightarrow NaCl + H_2O + S$$

Elementary sulfur dissolved in gasoline makes the latter highly corrosive. The acidifying action of hypochlorite is due to hypochlorous acid as seen from the following equation:

$$NaClO + H_2O \rightleftarrows NaOH + HC\ O$$

The reaction of mercaptan with hypochloride developes as desired, and forms sulfo acids as follows:

$$RSN + 3\ NaClO \rightarrow RSO_3H + 3\ NaCl$$

These acids dissolved in water are removed with the spent solution. Tests conducted at the Kuybyshev refinery have proved that the treatment of the straight-run sulfurous gasoline with calcium hypochlorite is simple and effective. There is 1 table.

ASSOCIATION: Kuybyshevskiy neftepererabatyvayushchiy zavod (The Kuybyshev Refinery)

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SOV/92-58-11-9/36

11(4)

AUTHOR: Lipkin, A.Ye., Engineer

TITLE: The Cracked Gasoline Yield Can Be Increased (Vykhod kreking-benzina mozhno uvelichit')

PERIODICAL: Neftyanik, 1958, Nr 11, pp 12-14 (USSR)

ABSTRACT: The mild cracking furnaces of Soviet domestic thermal cracking units are fed with a mixture of the primary distillation residue and the intermediate recycling fractions coming from the lower part of the fractionator. However, since the crackability of each of these products is different it has been found that much better results can be obtained if mazout is cracked in the mild cracking furnace separately from the recycling fraction. For this purpose it will be necessary to redesign the mild cracking furnace and to change the original flow scheme of the furnace (Fig. 2). This change in the flow scheme is particularly recommended for combined units having the straight-run distillation equipment. According to the revised flow chart the cracking fractionator would receive from the high

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The Cracked Gasoline Yield (Con.)

pressure stripper excusively the vaporized products and as a result the gasoline fraction content in the light reflux drop and therefore make the fractional composition of the deep cracking feed more adequate. The refinery laboratory has checked the proposed scheme in an autoclave fed with mazout characteristics of which are shown in Table 1. In Table 2 the author specifies the conditions under which this test was carried out and analyzes the yields obtained. As a result of cracking the 350°C - 450°C fraction of reflux, the yield of gasoline with 200°C E.P. reached 31.64 percent by weight of the charge with additional details concerning higher b.p. fractions, residue, gas coke, etc. To ensure the same gasoline formation speed in cracking the recycling stock as in cracking the fresh mazout, it will become necessary to prolong the cracking of the recycling stock and to increase the temperature at which it is cracked. In order to carry out the cracking process in line with the proposed flow scheme, it will be necessary to remodel slightly the mild cracking furnace of the combined thermal crack-

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

The Cracked Gasoline Yield (Con.)

ing furnace of the combined thermal cracking unit at the Kuybyshev refinery and to change its pump. Under conditions described and recommended by the author the overall 200°C E.P. gasoline yield, comprising gasoline obtained by deep cracking (14.5%), by separate mild cracking of mazout (13.7%) and from the recycling stock (9.5%) will reach 37.7 weight percent of mazout, instead of 25 percent obtained at present. The separate cracking of mazout and of recycling stock will permit the refinery to deepen the mild cracking and to minimize the build-up of carbon. There are 2 figures and 3 tables.

ASSOCIATION: Kuybyshevskiy neftepererabatyvayushchiy zavod (The Kuybyshev Refinery)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKIN, A.Ye.; PAVLYUCHENKO, V.I.; MELYUKOV, A.I. (Krasnoyarsk)

Results of entrance examinations in mathematics at Krasnoyarsk institutions of higher learning. Mat. v shkole no.4:27-29 Jl-Ag '61. (MIRA 14:8)
(Krasnoyarsk--Universities and colleges--Entrance requirements)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKIN, A. Ye.

Some nitrogen compounds of 2,2'-dithienyl. Part 1. Zhur. ob. khim. 33 no.1:196-199 '63. (MIRA 16:1)

1. Kuybyshevskiy industrial'nyy institut imeni V. V. Kuybysheva.

(Bithiophene)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKIN, A.Ye.

Some nitrogen compounds of 2,2'-dithienyl. Part 2. Zhur.obshch.khim. 33 no.7:2274-2277 Jl '63. (MIRA 16:8)

1. Kuybyshevskiy industrial'nyy institut imeni Kuybysheva.
(Bithiophene) (Nitration)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000930020015-1

LIPKIN, A.Ye.; PUTOKHIN, N.I.; RASSADIN, B.V.

Ultraviolet absorption spectra of some nitrogen compounds of 2,2'-dithienyl. Part 4. Zhur.ob.khim. 34 no.2:671-675 F '64.(MIRA 17:3)

1. Kuybyshevskiy industrial'nyy institut imeni V.V.Kuybysheva.

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LIPKIN, Abram Yefimovich; RODIONOVA, V.A., red.

[Descriptive geometry in drawings; textbook for students of pedagogical institutes] Nachertatel'naia geometriia v chertezhakh; posobie dlia studentov pedagogicheskikh institutov. Moskva, Prosveshchenie, 1964. 126 p.
(MIRA 18:1)

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SURKOV, S. K. ENG., VASIL'EV, P. A. ENG., LIPKIN, B. YU. ENG., NAVOLO, V. A. ENG., KULAKOV, A. A. ENG., SOKOLOV, M. M. Dozent, FRUDINSKIY, P. G. Prof.

Electric Power Distribution

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9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

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LIPKIN, B.Yu.; SAPAROVA, A.L., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor

[Electrical systems and illumination of machine building plants] Elektricheskie seti i osveshchenie mashinostroitel'nykh zavodov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry, 1955. 159 p. (MLRA 8:7)
(Factories--Lighting)

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LIPKIN, B.Yu.. Prinimali uchastiye: GOL'DGOF, B.G., inzh.; BARYBIN, Yu.G., inzh.; VORONKOV, Yu.F., inzh.; VENETSIANOV, Ye.A., inzh.. SOKOLOV, D.V., inzh., nauchnyy red.; KROMOSHCH, I.L., red.izd-va; GORDEYEV, P.A., red.izd-va; HUDAKOVA, N.I., tekhn.red.

[Electric equipment at industrial enterprises] Elektrooborudovanie promyshlennykh predpriiatii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 399 p. (MIRA 13:7)

(Electric driving)

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MILLER, Yevgeniy Vladimirovich; SHNEYDOV, Ye.M., inzh., retsenzent; [illegible], d.Yu., dots., retsenzent; BERLINA, Ye.P., red.

[Electrical equipment and automation of general industrial mechanisms] Elektrooborudovanie i avtomatizatsiia obshchepromyshlennykh mekhanizmov. Moskva, Vysshaia shkola, 1965. 302 p. (MIRA 18:12)

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LIPKIN, D.S.; LITOVCHENKO, I.L.

Reconditioning inoperative heating flues. Koks i khim. no.2:35-38 '56. (MLRA 9:7)

1.Teploteknstantsiya.
(Coke ovens)

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